Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/13/2021 09:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	121968	-3	5.71	121834	5.79
Blue	F	SSC	125000	122807	-2	5.97	123251	6
Blue	E	FITC	13131	12355	-6	5.98	284	17.05
Blue	D	PE	24112	23238	-4	6.05	533	12.65
Blue	B	PerCP-Cy5-5	31295	29907	-5	6.33	990	16.83
Blue	A	PE-Cy7	19939	19532	-3	8.63	516	32.67
Red	C	APC	42122	41761	-1	3.64	1758	11.91
Red	A	APC-Cy7	22340	21588	-4	4.28	807	12.41
Violet	B	V450	7410	6991	-6	5.51	424	13.84
Violet	A	V500	28118	26752	-5	5.09	667	11.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22351	5.25	593	24	N/A	N/A	Pass
Blue	F	SSC	55844	5.61	526	14	N/A	N/A	Pass
Blue	E	FITC	52	60.11	493	6	0.0429	288	Pass
Blue	D	PE	111	41.82	497	9	0.4504	480	Pass
Blue	B	PerCP-Cy5-5	182	39.38	595	9	0.0161	43	Pass
Blue	A	PE-Cy7	101	75.17	642	14	0.0182	0	Pass
Red	C	APC	404	24.33	580	4	0.0254	113	Pass
Red	A	APC-Cy7	180	28.24	555	4	0.0057	784	Pass
Violet	B	V450	59	65.03	459	6	0.0479	1795	Pass
Violet	A	V500	95	37.06	471	6	0.0228	930	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.70	-31.38	1.04
Blue	20.37	16.28 - 24.42	1.30	1.02 - 1.52	0.00	0.00	1.42
Red	14.53	13.60 - 20.40	N/A	N/A	29.75	30.06	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10335

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments